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Subject: Re: TPC MVD and GEM correlators

Posted by [Stefano Spataro](#) on Fri, 17 Jun 2011 11:10:50 GMT

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Hi,

there are mainly two problems:

a) the code is using the obsolete fDetectorId style, which is not compatible with the PndRecoKalmanTask and neither with PndPidCorrelator

b) the code is producing gftracks and not pndtrack

For a) I can try to fix it writing a PndDetectorListFake, where the enum becomes a series of constants, i.e.:

```
const Int_t kTpcCluster = FairRootManager::Instance()->GetBranchId("PndTpcCluster")
```

In this way, all the tpc class headers should use PndDetectorListFake instead of PndDetectorList. Of course this is only a momentary solution and after the TDR activities it should be fixed in the tracking code itself.

For b) a task as adapter would be great. I cannot do it because I have to fix many other things on the grid side, but if you want to spend some time... it could be placed in GenfitTools/recotasks. The scheme should be already present in PndRecoKalmanTask/Fit and it is just a matter of copy and paste (hopefully). But after you will have the problem with the mvd part of the PndPidCorrelator. To avoid it, you should switch off mvd pid: `corr->SetMvdMode(0)` using the last version of the PndPidCorrelator.

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